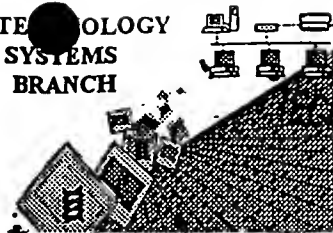


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



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MAR 17 2003
CENTER 1600/291

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

07/867,819C

1600

3-13-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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1600

RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set : N:\CRF4\03132003\G867819C.raw

C--> 1 <110> APPLICANT: Harley, John
 2 <120> TITLE OF INVENTION: Methods and Reagents for Diagnosis of Autoantibodies
 3 <130> FILE REFERENCE: OMRF 114 CIP (2)
 4 <140> CURRENT APPLICATION NUMBER: US/07/867,819C
 5 <141> CURRENT FILING DATE: 1992-04-13
 6 <150> PRIOR APPLICATION NUMBER: 07/472,947
 7 <151> PRIOR FILING DATE: 1990-01-31
 8 <150> PRIOR APPLICATION NUMBER: 07/648,205
 9 <151> PRIOR FILING DATE: 1991-01-31
 10 <160> NUMBER OF SEQ ID NOS: 161
 11 <170> SOFTWARE: PatentIn version 3.1
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 8
 14 <212> TYPE: PRT
 15 <213> ORGANISM: homo sapien
 16 <220> FEATURE:
 17 <221> NAME/KEY: MISC_FEATURE
 18 <222> LOCATION: (1)..(8)
 19 <223> OTHER INFORMATION: Binding site
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 21 Gly Thr Phe Lys Ala Phe Asp Lys
 22 1 5
 23 <210> SEQ ID NO: 2
 24 <211> LENGTH: 15
 25 <212> TYPE: PRT
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 27 <220> FEATURE:
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 29 <222> LOCATION: (1)..(8)
 30 <223> OTHER INFORMATION: Binding site
 31 <400> SEQUENCE: 2
 32 Cys Asp Glu Phe Arg Lys Ile Lys Pro Lys Asn Ala Lys Gln Pro
 33 1 5 10 15
 34 <210> SEQ ID NO: 3
 35 <211> LENGTH: 8
 36 <212> TYPE: PRT
 37 <213> ORGANISM: homo sapien
 38 <220> FEATURE:
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 40 <222> LOCATION: (1)..(8)
 41 <223> OTHER INFORMATION: Binding site
 42 <400> SEQUENCE: 3
 43 Arg Val Pro Leu Ala Gly Ala Ala

Does Not Comply
Corrected Diskette Needed

pp. 4, 6

RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\CrF4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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53 <220> FEATURE:
54 <221> NAME/KEY: MISC_FEATURE
55 <222> LOCATION: (4)..(11)
56 <223> OTHER INFORMATION: Binding site
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60      Gly
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64 <212> TYPE: PRT
65 <213> ORGANISM: homo sapien
66 <220> FEATURE:
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68 <222> LOCATION: (7)..(14)
69 <223> OTHER INFORMATION: Binding site
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72      1          5          10          15
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75 <211> LENGTH: 12
76 <212> TYPE: PRT
77 <213> ORGANISM: homo sapien
78 <220> FEATURE:
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80 <222> LOCATION: (3)..(10)
81 <223> OTHER INFORMATION: Binding site
82 <400> SEQUENCE: 6
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84      1          5          10
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87 <211> LENGTH: 15
88 <212> TYPE: PRT
89 <213> ORGANISM: homo sapien
90 <220> FEATURE:
91 <221> NAME/KEY: MISC_FEATURE
92 <222> LOCATION: (8)..(15)
93 <223> OTHER INFORMATION: Binding site
94 <400> SEQUENCE: 7
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96      1          5          10          15
98 <210> SEQ ID NO: 8
99 <211> LENGTH: 15
100 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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104 <222> LOCATION: (2)..(9)
105 <223> OTHER INFORMATION: Binding site
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108     1             5             10             15
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117 <223> OTHER INFORMATION: Binding site
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120     1             5
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123 <211> LENGTH: 11
124 <212> TYPE: PRT
125 <213> ORGANISM: homo sapien
126 <220> FEATURE:
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128 <222> LOCATION: (3)..(10)
129 <223> OTHER INFORMATION: Binding site
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131     Met Ala Pro Pro Pro Gly Met Arg Pro Pro Met
132     1             5             10
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135 <211> LENGTH: 16
136 <212> TYPE: PRT
137 <213> ORGANISM: homo sapien
138 <220> FEATURE:
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140 <222> LOCATION: (5)..(12)
141 <223> OTHER INFORMATION: Binding site
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144     1             5             10             15
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147 <211> LENGTH: 8
148 <212> TYPE: PRT
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151 <221> NAME/KEY: MISC_FEATURE
152 <222> LOCATION: (1)..(8)
153 <223> OTHER INFORMATION: Binding site

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RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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 156 1 5
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 164 <222> LOCATION: (1)..(8)
 165 <223> OTHER INFORMATION: Binding site
 166 <400> SEQUENCE: 13
 167 Arg Pro Pro Pro Pro Gly Ile Arg Gly Pro Pro
 168 1 5 10
 170 <210> SEQ ID NO: 14
 171 <211> LENGTH: 12
 172 <212> TYPE: PRT
 173 <213> ORGANISM: homo sapien
 174 <220> FEATURE:
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 176 <222> LOCATION: (3)..(10)
 177 <223> OTHER INFORMATION: Binding site
 178 <220> FEATURE:
 179 <221> NAME/KEY: VARIANT
 180 <222> LOCATION: (9)..(9)
 181 <223> OTHER INFORMATION: Arginine at position 9 can be substituted with F, G, H, I
 182 T, V and Y.
 183 <400> SEQUENCE: 14
 184 Arg Gly Pro Pro Pro Pro Gly Met Arg Pro Pro Arg
 185 1 5 10
 187 <210> SEQ ID NO: 15
 188 <211> LENGTH: 9
 189 <212> TYPE: PRT
 190 <213> ORGANISM: homo sapien
 191 <220> FEATURE:
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 193 <222> LOCATION: (1)..(8)
 194 <223> OTHER INFORMATION: Binding site
 195 <400> SEQUENCE: 15
 196 Thr Phe Lys Ala Phe Asp Lys His Met
 197 1 5
 199 <210> SEQ ID NO: 16
 200 <211> LENGTH: 8
 201 <212> TYPE: PRT
 202 <213> ORGANISM: homo sapien
 203 <220> FEATURE:
 204 <221> NAME/KEY: MISC_FEATURE
 205 <222> LOCATION: (1)..(8)
 206 <223> OTHER INFORMATION: Binding site

K, S,

*If the amino acid at position 9 can vary,
 please use Xaa, instead, and explain in 220*

2237
 DLTfm

RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\CrF4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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209         1             5
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213 <212> TYPE: PRT
214 <213> ORGANISM: homo sapien
215 <220> FEATURE:
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217 <222> LOCATION: (1)..(8)
218 <223> OTHER INFORMATION: Binding site
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220     Lys Asp Thr Gly Ile Ala Arg Val
221         1             5
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224 <211> LENGTH: 10
225 <212> TYPE: PRT
226 <213> ORGANISM: homo sapien
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (3)..(10)
230 <223> OTHER INFORMATION: Binding site
231 <400> SEQUENCE: 18
232     Ile Pro Gln Ala Pro Ala Gly Leu Ala Gly
233         1             5             10
235 <210> SEQ ID NO: 19
236 <211> LENGTH: 18
237 <212> TYPE: PRT
238 <213> ORGANISM: homo sapien
239 <220> FEATURE:
240 <221> NAME/KEY: MISC_FEATURE
241 <222> LOCATION: (4)..(16)
242 <223> OTHER INFORMATION: Binding site
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244     Gln Val Leu Asn Ile Gln Met Arg Arg Thr Leu His Lys Ala Phe Lys
245         1             5             10             15
246     Gly Ser
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 21
250 <212> TYPE: PRT
251 <213> ORGANISM: homo sapien
252 <220> FEATURE:
253 <221> NAME/KEY: MISC_FEATURE
254 <222> LOCATION: (8)..(15)
255 <223> OTHER INFORMATION: Binding site
256 <400> SEQUENCE: 20
257     Ile Cys His Gln Ile Glu Tyr Tyr Phe Gly Asp Phe Asn Leu Pro Arg
258         1             5             10             15
259     Asp Lys Phe Leu Lys

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003
TIME: 12:30:33

Input Set : N:\Crf4\03122003\G867919C.raw
Output Set: N:\CRF4\03132003\G867819C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:119; Xaa Pos. 5

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:14; Line(s) 181

VERIFICATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:33

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

L:4 M:270 C: Current Application Number differs, Replaced Current Application Number

L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0.